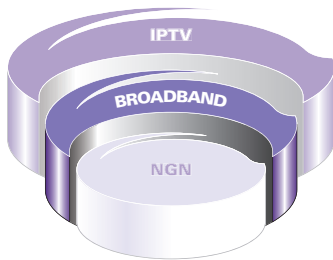




The Cutting Edge is **iAN8K B1000**

Multimedia Network Edge



World-Class integrated access platform designed to deliver a rich array of legacy narrowband, and premium broadband services

- Platform specifically designed to provide seamless migration from legacy TDM voice and leased line services to delivering successful IPTV and Triple Play services
- A converged platform to provide the most common applications for consumers - Voice (VoIP or traditional), High Speed Internet Access and Video delivery
- Simultaneous support for a range of Access technologies: 2 wire POTS (FXS), ISDN BRI/PRI, E1, Fractional E1 (n*64), SDHSL, ADSL2/2+ with Annex L and M, VDSL2, GEAPON and PWE3

Lastly, carriers are looking to support the legacy TDM services, ISDN BRI and leased lines in an IP domain so that the burden of maintaining different infrastructures for different applications is reduced, and valuable capital as well as human resources can be invested in future-oriented technologies. The evolving circuit emulation technologies such as Pseudo-Wire Emulation provides the mechanism to achieve this and creates a converged network for all applications.

BUILDING A NEW ACCESS NETWORK

UTStarcom offers carriers comprehensive end-to-end solutions based on the integration of interrelated TDM and IP based product families. These product families comprise a series of open platforms that are standards based and can deliver fully realized revenue-generating applications. UTStarcom solutions are designed to seamlessly migrate a carrier from an existing TDM based legacy network or an ATM based DSL network to the next generation IP access infrastructure.

The UTStarcom product portfolio includes a distributed IPTV streaming, storage and management platform (RollingStream™) which provides carriers with a means of offering truly differentiated on-demand TV services; a high capacity C4/C5 Softswitch (mSwitch®); a metro core multi-service provisioning platform (NetRing™), an integrated Access Platform (iAN8K B1000) that provides legacy TDM as well as next generation DSL and PON services which are terminated and delivered to subscribers via an extensive suite of network end points (STBs, CPEs and Handsets).

UTStarcom's iAN8K B1000 Multimedia Network Edge is a third generation, carrier class broadband access solution designed to empower Carriers to meet evolving end user requirements for high bandwidth multiple service access while continuing to maintain legacy POTS and leased line services. Reflecting UTStarcom's long standing market leadership in delivering end-to-end solutions, the iAN8K B1000 directly and cost effectively interfaces with the evolving IP core network in order to deliver high capacity traffic aggregation and robust, "always on" services.

The iAN8K family utilizes a common modular architecture and identical feature sets with variations in chassis layout. Currently available models include the B1000 RA and B1000 RA+ which are rear access platforms without and with Integrated splitter shelves, the B1000 FA+ which is a Front Access solution with Integrated Splitter Shelf and the B1000 CX which is a compact, front access system primarily targeted at the FTTX market. All platforms in the iAN8K family share cutting edge TDM, ATM, and IP features and powerful switching, routing and multicast capabilities which radically enhance the types of services and the deployment scenarios available to Carriers and Service Providers.

NO RISK NETWORK UPGRADE

The iAN8K B1000 is UTStarcom's third generation Broadband Access platform, built upon the widely deployed AN-2000® B820 IP DSLAM and the AN-2000 and iAN-8000 multi-service platforms preceding it. For existing UTStarcom B820 customers, extensive reuse of this stable, high quality software and feature set ensures a no risk upgrade to the next generation platform. For new customers, the B1000 provides an ATM and TDM uplink interfaces, enabling compatibility with existing legacy ATM and TDM network infrastructure, providing investment protection.

THE iAN8K B1000 ADVANTAGE

Seamless Migration

The B1000 offers tremendous flexibility to the customers to migrate seamlessly from a legacy TDM based network to a state of the art IP based network without the need to maintain dual infrastructure. A flexible multiservice platform, the B1000 allows carriers to continue offering legacy services along with next generation applications and lets the carriers decide the time table of their network migration.

High Bandwidth Applications

The B1000 provides a generous 1 Gbps bandwidth per service slot, enabling over 20Mbps of non-blocking bandwidth to each ADSL2+ subscriber. For high speed interfaces like VDSL2+, the system enables 40Mbps+ of non-blocking bandwidth ensuring access to bandwidth intensive applications like IPTV delivery with multiple HDTV channels

High Density Modular Architecture

With 48-port subscriber modules, the B1000 offers a high-density ADSL2/2+ solution that can scale commensurately to subscriber demand. At a density of approximately 3000 subscribers per rack, the B1000 offers one of the highest density DSL and POTS solutions in the industry.

High Performance Switching

The B1000 provides a high capacity, high performance switching and routing engine (ICM Module). With support for advanced L2 functions including VLAN Stacking, stringent Ethernet CoS guarantees and optional L3 Routing support, the B1000 packs powerful IP edge capabilities into a Multimedia Network Edge node. With future support for MPLS Edge Routing and IPv6, the B1000 can be a future-safe investment that can ensure an ongoing successful interface with the evolving IP core.

Advanced Video Management Features

IPTV and Video applications deployed over a Broadband network are the key to higher subscriber growth, higher subscriber retention, and higher ARPU for carriers. Anticipating this market reality, the B1000 includes advanced video service management features, making it an excellent

integrated access platform for delivery of IPTV / Triple Play applications. With 1024 Multicast groups, sub 50ms Channel Zapping Delays, an efficient multi-layer multicast architecture and support for consumer oriented features like preview, channel black list etc., the B1000 provides the most advanced IPTV friendly feature set in the industry. Together with UTStarcom's RollingStream IPTV product family, the B1000 can be the ideal platform for carriers to successfully deploy Triple Play services.

Reliable and Efficient Architecture

The B1000 incorporates an iCard architecture within each line module, providing an easy upgrade path to new feature sets and advanced services via simple software upgrade. Support for multiple line standards on the same hardware reduces the inventory management efforts for the carrier and allows the carrier to grow their service offering easily. The B1000 line card modules supports SHDSL, ADSL, ADSL2, ADSL2+, Annex L (READSL), Annex M (double upstream), VDSL2, GEPON, VoIP, iE1 (PWE3) as well as V5 based POTS, ISDN BRI/PRI, E1 and E&M.

An FTTX Solution

The B1000 integrates a 4-port EPON OLT module enabling carriers to quickly convert the B1000 into a FTTX solution. The B1000 CX with EPON line cards can be used either as a multiservice ONT or as an OLT to provide FTTX services along with next generation DSL services.

VoIP Support

The B1000 offers multiple solutions and utmost flexibility for providing VoIP services. In a high density MSAN configuration, a common resource card can be used to efficiently provide VoIP services. For high density DSL configuration requiring a few line powered VoIP interfaces, the iFXS module offers a "gateway on a card" option.

MULTIPLE APPLICATIONS MANY REVENUE STREAMS

In a competitive environment where an innovative service portfolio is the key to a viable business strategy, UTStarcom's iAN8K B1000 provides carriers with an investment safe, flexible platform to deploy multiple revenue generating applications.

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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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